Railway Ticket Reservation System

-station: Station

+Schdedule()

+toString(): String

-arrivalTime: Calendar

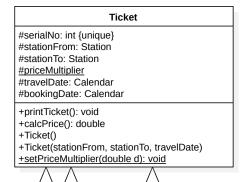
-leavingTime: Calendar -towardsCentral: boolean

Station -stationName: String -stationID: int -distanceFromCentral: double +Station() +Station(stationName, stationID, distanceFromCentral) +calcDistance(Station s): double +onSameRoute(Station s): boolean +toString(): String -trainName: String -trainID: int -trainRoute: Route -pricePerKM: double -acSeats: int -shovonSeats: int

Train
-trainName: String
-trainID: int
-trainRoute: Route
-pricePerKM: double
-acSeats: int
-shovonSeats: int
-sCharirSeats: int
-schedules: ArrayList <schedule></schedule>
-bookedTicketCount: int[][
+Train()
+Train(trainName, trainID, trainRoute, aCSeats, shovonSeats, sChairSeats)
+qetRoute(): Route
+getSchedules(): ArrayList <schedule></schedule>
+getRemainingSeats(): int[][]
+setSchedule(): void
+bookTicket(): Ticket
+getNumberOfStopages(): int
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Route -routeNo: int {unique} -stations: ArrayList<Station> +Route() +addStation(Station s): void +removeStation(Station s): void +printStationsInRoute(): void

+toString(): String +getTrainName(): String



ShovonTicket +ShovonTicket() +ShovonTicket(stationFrom, stationTo, travelDate) +calcPrice(): double +setPriceMultiplier(double d): void

ShovonChairTicket +ShovonChairTicket() +ShovonChairTicket(stationFrom, stationTo, travelDate) +calcPrice(): double +setPriceMultiplier(double d): void +printTicket(): void

ACTicket

+ACTicket(stationFrom, stationTo, travelDate)

+setPriceMultiplier(double d): void

+ACTicket()

+calcPrice(): double

+printTicket(): void

Schedule

+Schedule(station, arrivalTime, leavingTime, towardsCentral)

Main +manageTrains(): void +manageStations(): void +manageRoutes(): void +manageSchedule(): void +manageTickets(): void +main() +bookTicket()

+printTicket(): void